

Date: Sat, 18 Jun 94 04:30:22 PDT
From: Ham-Digital Mailing List and Newsgroup <ham-digital@ucsd.edu>
Errors-To: Ham-Digital-Errors@UCSD.Edu
Reply-To: Ham-Digital@UCSD.Edu
Precedence: Bulk
Subject: Ham-Digital Digest V94 #200
To: Ham-Digital

Ham-Digital Digest Sat, 18 Jun 94 Volume 94 : Issue 200

Today's Topics:

 DCD mod from TAPR
 GTOR evaluation/update? (2 msgs)
 MFJ multi-mode opinions?
 Numerically Controlled Oscillators
 programming midland radio's
 Railroad track as an antenna?
 SCANNER BAN COMING
 TEKK KS-900 interface
 using a dummy terminal with a kam

Send Replies or notes for publication to: <Ham-Digital@UCSD.Edu>
Send subscription requests to: <Ham-Digital-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Digital Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-digital".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Sat, 18 Jun 1994 05:10:05 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
jchandle@network.ucsd.edu
Subject: DCD mod from TAPR
To: ham-digital@ucsd.edu

I just finished installing the TAPR DCD mod in my 1270B. I wish that I
would have gotten it long ago, it's GREAT. It allows you to run your
TNC radio unsquelched so the DCD circuit is only active on a valid
packet signal. I highly recommend it.

Date: Fri, 17 Jun 1994 13:48:58 GMT

From: ihnp4.ucsd.edu!library.ucla.edu!csulb.edu!csus.edu!netcom.com!
rogjd@network.ucsd.edu
Subject: GTOR evaluation/update?
To: ham-digital@ucsd.edu

I'd be interested in hearing about your evaluations of GTOR versus Clover
or Pactor. How is this new mode working out?

I am on a budget due to starting school soon, so cannot afford to buy a
new TNC for a bit. So I'll not be running GTOR until it comes out for
the PK-232. Anyone know where we are on this?

There is quite a bit of controversy about how effective an improvement
GTOR is. Kantronics makes some pretty heady claims. On the other hand,
I've read some Internet posts which say otherwise.

The proof of the puddin' is the eatin'! What are you all finding out?

I'd be interested in reading your opinions.

73

--

rogjd@netcom.com
Glendale, CA
AB6WR

Date: 17 Jun 94 23:34:00 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
howland.reston.ans.net!noc.near.net!news.delphi.com!BIX.com!
hamilton@network.ucsd.edu
Subject: GTOR evaluation/update?
To: ham-digital@ucsd.edu

rogjd@netcom.com (Roger Buffington) writes:

>I'd be interested in hearing about your evaluations of GTOR versus Clover
>or Pactor. How is this new mode working out?

I also would be interested in hearing reports from those who've tried
these different protocols. But I must say, from the evidence in front
of me, it looks like Clover, available only in the IBM PC plug-in board
from HAL, is going to have a miserable time against a protocol available
in a standard outboard TNC unless its technical advantages are just
overwhelming. Add on that the HAL board is far more expensive than
the KAM Plus w/ GTOR and it's Marketing 101: Clover has no possible
chance against GTOR: the price and configuration disadvantages of the

HAL product make its success completely unimaginable to me.

No surprise, if you call up any of the ham equipment stores and ask for a recommendation (which is really the same as asking what sells the most, usually) the answer is the KAM Plus, no question.

Regards,

Doug Hamilton KD1UJ hamilton@bix.com Ph 508-358-5715
Hamilton Laboratories, 13 Old Farm Road, Wayland, MA 01778-3117, USA

Date: Fri, 17 Jun 1994 10:03:53
From: ihnp4.ucsd.edu!agate!blanket.mitre.org!linus.mitre.org!newsflash.mitre.org!
m14494-pc.mitre.org!mwhite@network.ucsd.edu
Subject: MFJ multi-mode opinions?
To: ham-digital@ucsd.edu

I'm thinking of upgrading from a packet-only tnc to a multi-mode, and I'm considering the MFJ because of the slow-scan mode. Has anyone had any experience with it, and any advice? Thanks.

Mike, N4PDY

Mike White
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703-883-7923 office
703-430-8402 home

My opinions are my own, not my employer's.

Date: 17 Jun 1994 20:23:07 GMT
From: ihnp4.ucsd.edu!usc!nic-nac.CSU.net!charnel.ecst.csuchico.edu!olivea!korie!male.EBay.Sun.COM!uranium!raymonda@network.ucsd.edu
Subject: Numerically Controlled Oscillators
To: ham-digital@ucsd.edu

In article robertmas@delphi.com, robertmas@delphi.com () writes:
.>Robert J. Kelley <pasha@netcom.com> writes:
.>
.>>I just acquired a bunch of numerically controlled
.>>oscillator and DDS hardware in various unknown states.

.>>Among the parts represented are the DRFS-2250, the
.>>TRW TDC1012J, a PC board called the DRFS-PCHPE, a
.>>PC board called the DRFS-DX 2070, etc. Any of this
.>>stuff sound familiar? I need technical data.
.>
.>The DRFS prefix part numbers sound like the stuff that a company call
.>"Digital RF Solutions" used to make. I'm not positive but I think they went out
.>of buisness a few years ago. The TRW part sounds like one of their old high-
.>speed D/A converters. This is just my best guess though. If you send me Email
.>I'll try to dig up an old data sheet.
.>

The DRFS-xxxx parts were made by Digital RF Solutions. DRFS got
absorbed into Proxim Corporation (in Mt. View, CA) which is very much alive,
however I'm not sure if they are marketing the NMCO stuff any longer. I've got
some app-notes/data sheets on a lot of the DRFS parts. If you would like me to
see if I can find them please e-mail.

Ray Anderson WB6TPU
raymonda@uranium.ebay.sun.com

Date: Thu, 16 Jun 94 11:01:00 -0500
From: uunet.ca!uunet.ca!tabb!graham.collins@uunet.uu.net
Subject: programming midland radio's
To: ham-digital@ucsd.edu

I have a midland 70-245b uhf handheld radio. it is 16 channel and
reprogrammable. I would like to be able to do this on my own without having to
take it into a mobile radio shop everytime I would like to change something.
Does anyone know how I might do this (I am aware that you need an adapter and
some software to do this)? Has anyone kludged up a way to do this without
paying the big bucks midland wants for their adapters and software?

Thanks in advance, graham.collins@tabb.com
73 VE3GHM

Date: Fri, 17 Jun 1994 17:38:37 GMT
From: parc!biosci!netnews.synoptics.com!news@decwrl.dec.com
Subject: Railroad track as an antenna?
To: ham-digital@ucsd.edu

In article 12958@galileo.cc.rochester.edu, fval_ltd@uhura.cc.rochester.edu (trey
valenta) writes:

>In <1994Jun16.104846.4325@mallrc.mala.bc.ca> wagner@mala.bc.ca (TOM WAGNER,
Wizzard of old Audio/Visual Equipment.....Nanaimo Campus) writes:

>

>

>>Modern railays use "block control/detection" for location of trains. This
>>system relies on the the fact that a railroad train can be a moving short
>

***** Actually, as I remember it, typical practice is to use a separate inductive
loop
under the track. Seems that there's something about trains that can cause a large
inductance change when they pass overhead :-).

- Jerry Kaidor

Date: Fri, 17 Jun 94 08:43:00 -0500
From: uunet.ca!uunet.ca!datatca!chuck.zeps@uunet.uu.net
Subject: SCANNER BAN COMING
To: ham-digital@ucsd.edu

Date: Fri, 17 Jun 1994 15:24:10 GMT
From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!utnut!nott!cunews!freenet.carleton.ca!
FreeNet.Carleton.CA!ae517@network.ucsd.edu
Subject: TEKK KS-900 interface
To: ham-digital@ucsd.edu

Just xtal'd up my KS900 in anticipation of our new 9600 bps repeater at
ve3ocr.

I've seen recommendations of putting a resistive attenuator on the TX line
coming from the modem to bring it down to about 50mV, which I plan on
doing. However, should I also stick a 5-10 uF non-polarized cap in series
as well? I've read in the manual that the g3ruh wants to see about 500
ohms, or a "chirp" could result on key-up.

As well, the TEKK manual says this rig runs from 9.6 to 11.5 volts. I
want to be able to run this rig portable with a 12 volt gel-cell. I was
thinking of putting approx. 1 ohm resistor in line to drop the voltage
below 11.5 volts on transmit. (lazy man's voltage regulation 8^).
Is anyone running the TEKK from just plain 12 Vdc?

any advice would be appreciated

tnx de va3rr

--

Date: Fri, 17 Jun 1994 12:31:06 GMT
From: ihnp4.ucsd.edu!library.ucla.edu!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!zip.eecs.umich.edu!umn.edu!gold!genz0003@network.ucsd.edu
Subject: using a dummy terminal with a kam
To: ham-digital@ucsd.edu

Date: Fri, 17 Jun 1994 13:28:29 GMT
From: ihnp4.ucsd.edu!usc!math.ohio-state.edu!hobbes.physics.uiowa.edu!
newsfeed.ksu.ksu.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!olesun!
gcouger@network.ucsd.edu
To: ham-digital@ucsd.edu

References <jfhCrHvnC.Gz8@netcom.com>, <1994Jun16.104846.4325@mallrc.mala.bc.ca>,
<1994Jun17.031938.12958@galileo.cc.rochester.edu>
Subject : Re: Railroad track as an antenna?

If we assume that railroad track are all connected and excelent transmission
lines with loss of 1 db per mile they still have more loss than signals
in air and would quickly loose all the signal to loss. Also they would
be very long traveling wave antennas and if they worked they would be
highly directional.

Gordon AB5DG

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Biosystems & Agricultural Engineering
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I do not speak for my employer

Date: (null)
From: (null)
PHONE SCANNERS LIKELY TO BE BANNED

OTTAWA - Chances are "very high" the government will ban digital

scanners that pick up cellular and cordless phone conversations, says Jon Gerrard, secretary of State for science and technology.

The Federal advisory council on the information highway is poised to recommend outlawing manufacture and sale of the scanning devices - advice the government is likely to accept, Gerrard said Thursday.

"I think the case was made very eloquently and quite convincingly", he said at the conclusion of the councils second full meeting.

The 30 member council, appointed this spring, is advising the government on the so-called information highway - the burgeoning web of telephone, cable, satellite and computer networks.

SECURITY ISSUES: " The Government is very concerned about privacy and security issues," said Gerrard, who attended the two-day meeting.

There are more than one million cellular phones, well over two million cordless phones and some 900,000 analog scanners across Canada.

The wireless phone industry is shifting to digital signals that can't be picked up by cheap analog scanners.

But some are concerned that scanners capable of decoding digitized voice communications could soon become common in corner electronic stores.

Legislation would nip the new breed of scanner in the bud , said Gerrard.

"There's no point in people investing money developing commercial digital scanners if that's the direction were going to go," he said.

"And I suspect , based on the recommendations of the council, that the chances of that are very high."

[...]

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chuck.zeps@dt-can.com

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:::c.zeps@genie.geis.com:::NsAc4sEmTeXpEtNbOmBcLiNtOnSsDeAbAtF:::
:::CDN.Assn.Rocketry S155:::kGbGrUcSiSrCmPdOdsPeTzNaZiJeWmOsSaD:::
:::VE3SMN:::NRA Member:::8F@CoCaMeXcArTeLgOvDoPeBuShMeNaGuN:::.....
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End of Ham-Digital Digest V94 #200
